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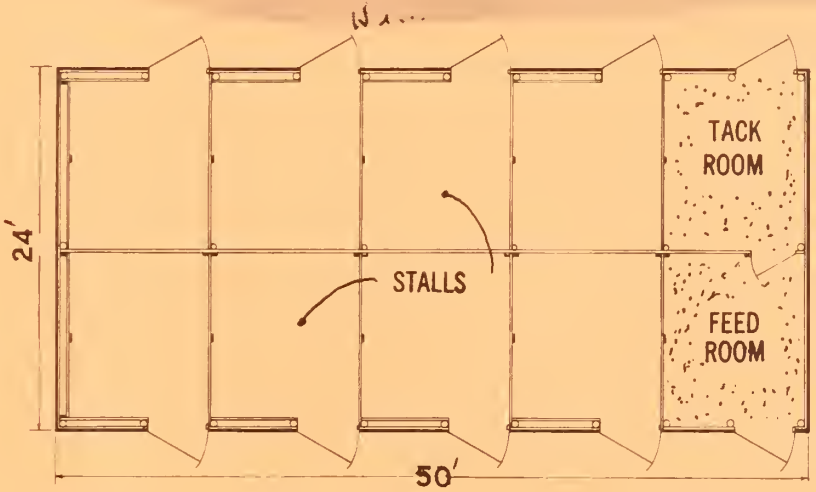
8-Stall HORSE BARN

COOPERATIVE FARM BUILDING

Plan No 6010

(3 SHEETS)

PLAN EXCHANGE



Convenience, economy of space, durability and economy of materials, good drainage, lighting, ventilation, and warmth should all be considered in planning horse barns.

This barn was designed by the Virginia Polytechnic Institute for farmers who wish to establish recreational facilities on their property for added income. It was submitted by the Virginia Polytechnic Institute to the Southern Plan Exchange for national distribution by the Cooperative Farm Building Plan Exchange.

Washington, D.C. Issued October 1968

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The building is 24 feet wide by 50 feet long and contains 8 stalls, a feed room, and a tack room. Its length is variable in units of 10 feet.

Planned for economy, long life, and low-cost maintenance, the barn is of pole- or post-type construction and is easy to build. All the poles or posts, splashboards, and other wood in contact with the ground or manure should be pressure treated with preservative to a retention of 8 pounds per cubic foot.

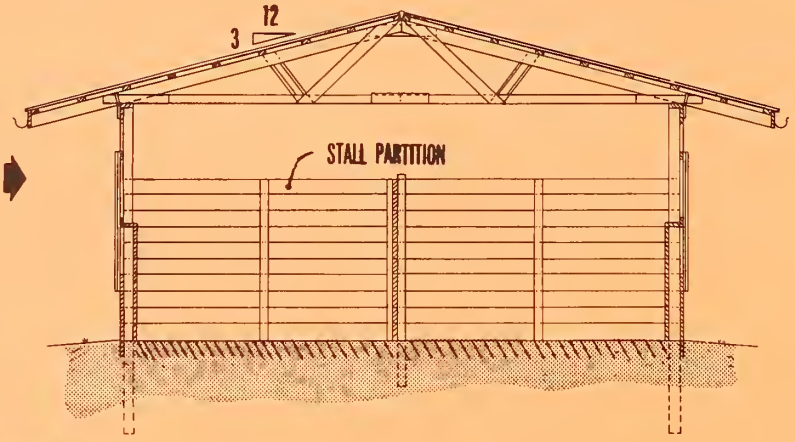
Floors in the feed and tack rooms are of concrete. The stall floors are of tamped clay.

The wood roof trusses are securely fastened to the girder and plate with 22-gage galvanized steel straps or with commercial type framing anchors. Two-and-one-half-inch corrugated metal is suggested for the roof covering. A 4-foot overhang, built into the design of the roof, provides partial shelter along the building sides.

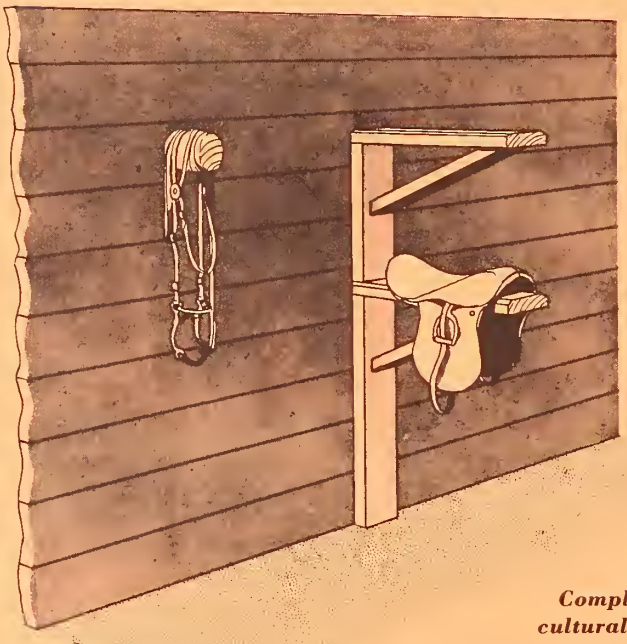
The box stalls, approximately 10- by 12-feet, are constructed with 2-inch lumber. Dutch doors are located on the exterior walls of the stalls and open outward to a paddock or pasture. The lower 2 feet of the stall walls should be treated with a preservative that is noninjurious to the animals.

Wood or metal siding is suitable for the exterior walls. If metal siding is used, it is essential that a kicker panel of 2-inch lumber be constructed on the interior surface of the exterior framing.

CROSS SECTION



SADDLE RACK



The two cupolas shown on the working drawings can be purchased preconstructed from a lumber and millwork dealer. The bridle and saddle racks shown on the drawings are easily constructed.

The saddle racks located in the tack room should be spaced 24 to 30 inches apart. The lower racks should be 36 inches above the floor and the upper racks 60 inches above the floor.

Complete working drawings may be obtained from the extension agricultural engineer at your State university. There may be a small charge to cover cost of printing.

If you do not know the location of your State university, send your request to Agricultural Engineer, Federal Extension Service, U.S. Department of Agriculture, Washington, D.C. 20250. He will forward your request to the correct university.

ORDER PLAN NO. 6010, 8-STALL HORSE BARN

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